



Attorney Docket No.: P-2388-US1

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[Signature]

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): GLUKHOVSKY, Arkady  
et al. Examiner: Stanley Pruchnic

Serial No.: 10/643,086 Group Art Unit: 2859

Filed: August 19, 2003

Title: DEVICE, SYSTEM AND METHOD FOR TEMPERATURE SENSING IN AN  
IN-VIVO DEVICE

Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

04/25/2005 SZEWDIE1 00000138 503355 10643086

01 FC:1806 180.00 DA  
Sir:

**INFORMATION DISCLOSURE STATEMENT**

Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, this Information Disclosure Statement includes Form PTO-1449:

1. ☒ listing documents including patents, publications and other information for consideration by the Examiner, however, since the subject application was filed after June 30, 2003, copies of United States patents, and/or United States patent applications, and/or United States patent application publications are not included in this information disclosure statement; and/or
2. ☒ listing documents including patents, publications and other information that have been previously cited or submitted to the Patent Office in prior application U.S. Serial No. 09/806,714, filed October 9, 2001 which is properly identified and relied on for an earlier effective filing date under 35 U.S.C. 120 for consideration by the Examiner; however, in accordance with 37 C.F.R. 1.98(d), copies of such documents are not included in this information disclosure statement; and/or
3. ☒ listing documents including patents, publications, and other information for consideration by the Examiner, copies of which are included with this information disclosure statement;

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4. ☐ listing other information for the Examiner's consideration which was cited in a communication from a foreign patent office in a counterpart foreign application, a copy of which is included with this information disclosure statement.

The information herein cited is only in fulfillment of Applicant(s) duty of candor in disclosing all information brought to Applicant(s) attention. This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art". If it should be determined that any of the listed documents do not constitute "prior art" under United States law, Applicant(s) reserve the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicant(s) further reserve(s) the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

In accordance with MPEP Sections 609 and 707.05(b), it is requested that each and every document cited (including any cited in applicant's specification which is not repeated on the attached Form PTO-1449) be given thorough consideration and that it be cited of record in the prosecution history of the present application by initialing on Form PTO-1449. Such initialing is requested even if the Examiner does not consider it to be prior art for any reason, or even if the Examiner does not believe that the guidelines for citation have been fully complied with. This is requested so that each document becomes listed on the face of the patent issuing on the present application and is evidence that the Examiner has considered the document.

This Information Disclosure Statement is being filed:

- I) ☐ Within three (3) months of filing the subject Application or entry of the subject Application into the national stage or before mailing of the first Office Action on the merits of the subject Application or a request for continued examination thereof, whichever event occurs last pursuant to of 37 C.F.R §1.97 (b); or
- II) ☒ After the period specified in (I) but before the mailing date of either a final Official Action under 37 C.F.R §1.113 or a notice of allowance under 37 C.F.R §1.311 whichever occurs first and;

1. ☐ the undersigned hereby states that each item of information listed on the Form PTO-1449 was either (i) cited in a communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to

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the filing of this Information Disclosure Statement or (ii) not cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, not known to any individual designated in §1.56(c) more than three (3) months prior to the filing of this information disclosure statement; or

2. ☒ the undersigned hereby authorizes the Patent Office to charge the fee in the amount of \$180.00 under 37 C.F.R §1.17 (p) to Deposit Account 50-3355.

III) ☐ After the period in (I) and (II) but before the payment of the issue fee and,

1. The undersigned hereby states:

a) ☐ that each item of information cited on the form PTO-1449 was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three (3) months prior to the filing of this Information Disclosure Statement; or

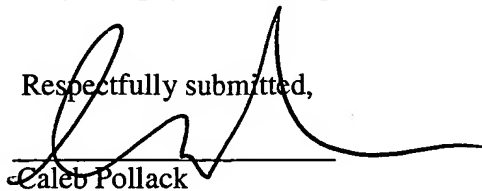
b) ☐ that no items of information contained in Form PTO-1449 was cited in a communication from a foreign patent office in a counterpart foreign application, and to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement; and

2. ☐ The undersigned hereby authorizes the Patent Office to charge the Petition fee in the Amount of \$180.00 under 37 C.F.R §1.17 (p) to Deposit Account 50-3355.

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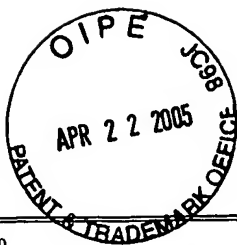
**Except** for issue fees payable under 37 C.F.R. §1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this application including fees due under 37 C.F.R. §§1.16 and 1.17 which may be required, including any required extension of time fees, or credit any overpayment to Deposit Account No. 50-3355.

Respectfully submitted,

  
Caleb Pollack  
Attorney for Applicant(s)  
Registration No. 37,912

Dated: March 8, 2005

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INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

(Use several sheets if necessary)

## U.S. Patent Documents

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	A	4,278,077	July 14, 1981	Mizumoto			
	B	5,604,531	Feb. 18, 1997	Iddan, et al.			
	C	6,240,312	May 29, 2001	Alfano, et al.			
	D	5,833,603	November 10, 1998	Kovacs, et al.			
	E	5,853,005	Dec. 29, 1998	Scanlon			
	F	6,074,349	June 13, 2000	Crowley			
	G	6,165,128	Dec. 26, 2000	Céspedes, et al.			
	H	3,937,086	February 10, 1976	Von Thuna			
	I	5,354,130	October 11, 1994	Seppa, et al.			
	J	5,098,197	March 24, 1992	Shepard, et al.			
	K	4,246,784	January 27, 1981	Bowen			
	L	4,885,077	December 5, 1989	Karakelle, et al.			

## Foreign Patent Documents

*Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	M	WO 01/50941	July 19, 2001					
	N	GB 2,353,166	February 14, 2001	United Kingdom				

## OTHER ART

(Including Author, Title, Date, Pertinent Pages, Etc.)

*Examiner Initial	O	BBC News Online - Pill camera to 'broadcast from the gut', February 21, 2000, www.news.bbc.co.uk					
	P	Wang, et al., "Integrated Micro-Instrumentation for Dynamic Monitoring of the Gastro-Intestinal Tract", Presented at IEEE Instrumentation and Measurement Technology Conference, May 2002, Anchorage, Ak, USA. www.see.ed.ac.uk/Naa.publications.html					
Examiner			Date Considered				

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

Form PTO-1449		U.S. Department of Commerce, Patent and Trademark Office		Atty. Docket No.		Serial No.	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use several sheets if necessary)				P-2388-US1		10/643,086	
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U.S. Patent Documents							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	Q	2002/0146368	October 10, 2002	Meron et al.			
	R	5,368,027	November 29, 1994	Lubbers, et al.			
	S	3,971,362	July 27, 1976	Pope, et al.			
	T	4,646,724	March 3, 1987	Sato, et al.			
	U	4,689,621	August 25, 1987	Kleinberg			
Foreign Patent Documents							
*Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation Yes    No
	V	DE 34 40 177	May 15, 1986	Germany			
	W	JP 4109927	April 10, 1992	Japan			
	X	JP 5015515	January 26, 1993	Japan			
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
*Examiner Initial	Y	The Radio Pill, Rowlands, et al., British Communications and Electronics, August 1960, pp. 598-601					
	Z	Video Camera to "TAKE" - RF System lab, no date available					
	AA	Wellesley company sends body montiors into space - Crum, April 1998					
	AB	Wireless transmission of a color television moving image from the stomach using a miniature CCD camera, light source and microwave transmitter. Swain CP, Gong F, Mills TN. Gastrointest Endosc 1997;45:AB40.					
	AC	CCD arrays cameras and displays, Holst G.C. p. 128, 2nd Edition, Spie Press 1998					
	AD	Photobit PB-159 DX Product Specification, August 1998 (Version 3.0)					
	AE	www.io.com - Random Electrical Noise: A Literature Survey, Research Comments from Ciphers, Ritters, 1999					
	AF	Jones, B.K., "Electrical Noise Thermometer", Appl. Phys. vol. 16, No. 1, pp. 99-102 (May 1978)					
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*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	AG	4,844,076	July 4, 1989	Lesho, et al.			
	AH	5,640,235	June 17, 1997	Iwasaki			
	AI	5,746,511	May 5, 1998	Eryurek, et al.			
	AJ	6,184,511	February 6, 2001	Yamashita			
	AK	5,508,740	April 16, 1996	Myaguchi, et al.			
	AL	4,891,970	January 19, 1990	Remboski, Jr.			
	AM	4,744,672	May 17, 1988	Tursky, et al.			
	AN	4,646,723	March 3, 1987	Arakawa			
	AO	4,643,587	February 17, 1987	Makabe, et al.			
	AP	4,180,736	December 25, 1979	Goodman			
	AQ	6,584,348	June 24, 2003	Glukhovsky			
	AR	4,177,800	December 11, 1979	Enger			
	AS	5,109,870	May 5, 1992	Silny, et al.			
	AT	5,819,736	October 13, 1998	Avny et al.			

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*Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
*Examiner Initial	AU	"Robots for the future" - Shin-ichi, et al., November 29, 2001
	AV	www.rfnorkia.com - NORIKA3, December 24, 2001
Examiner		Date Considered

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*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AW	2003/0077223	April 24, 2003	Glukhovsky, et al.			
	AX	2001/0035902	November 1, 2001	Iddan et al.			
	AY	5,993,378	November 30, 1999	Lemelson			
	AZ	2003/0040685	February 27, 2003	Lewkowicz et al.			
	BA	5,279,607	January 18, 1994	Schentag, et al.			

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